

ILLUMINATION SYSTEM FOR REFLECTIVE DISPLAYS

Abstract

5 An illumination system for a reflective display is particularly useful for
microdisplays that use reflective displays. The light source and the reflective
image display unit are mounted in a coplanar manner, thus permitting the light
source and the display unit to be mounted on a single board, or even on a single
substrate. The display unit may include a first light source directing light
10 generally along a first axis and a reflective image display unit disposed with an
optical axis substantially parallel to the first axis. A reflective polarizing film is
disposed to direct light from the first light source to the reflective image light
display unit.